TOTE20 90260660

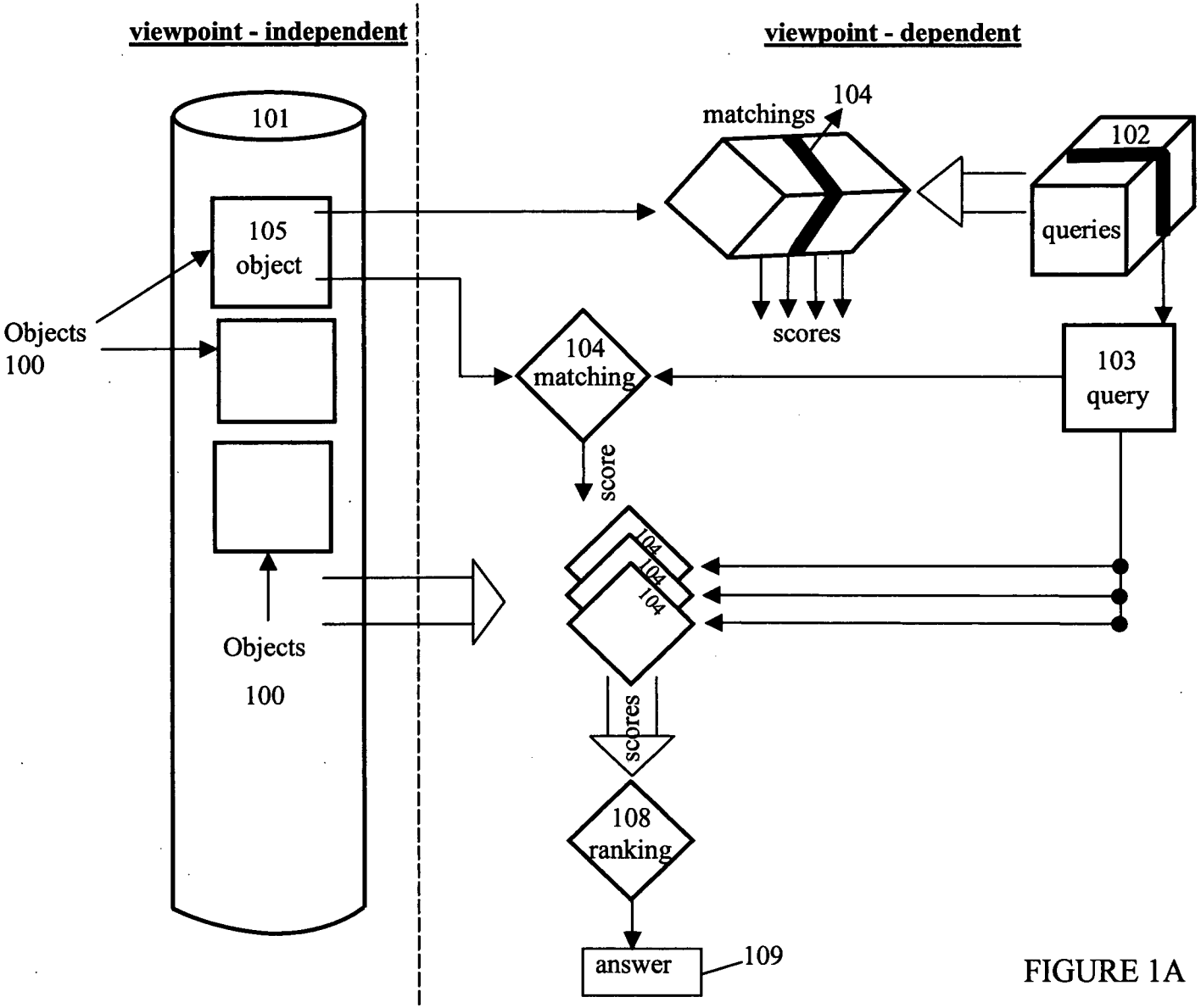

FIGURE 1A

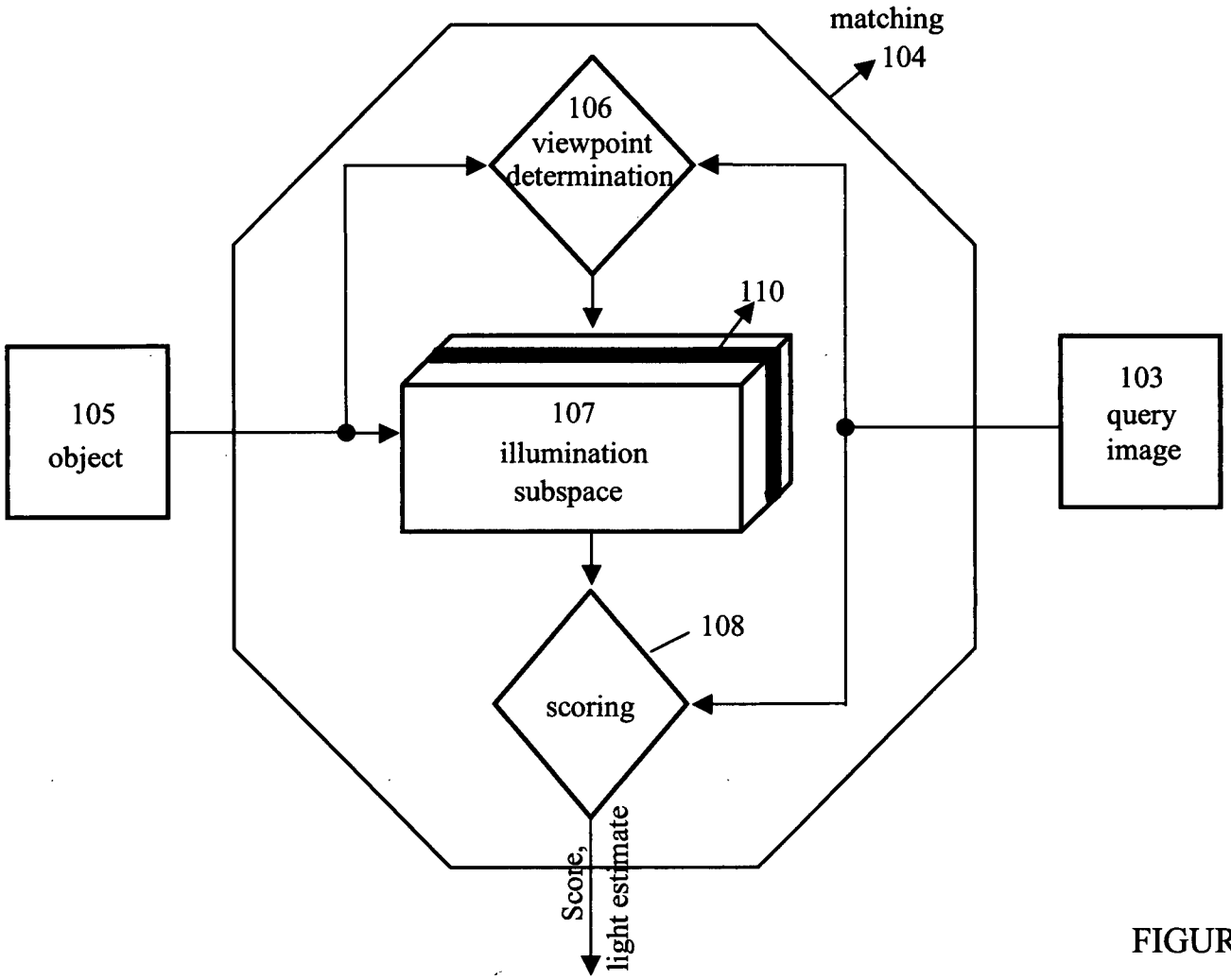
matching
104
106
viewpoint
determination
110
105
object
107
illumination
subspace
103
query
image
108
scoring
Score,
light estimate

FIGURE 1B

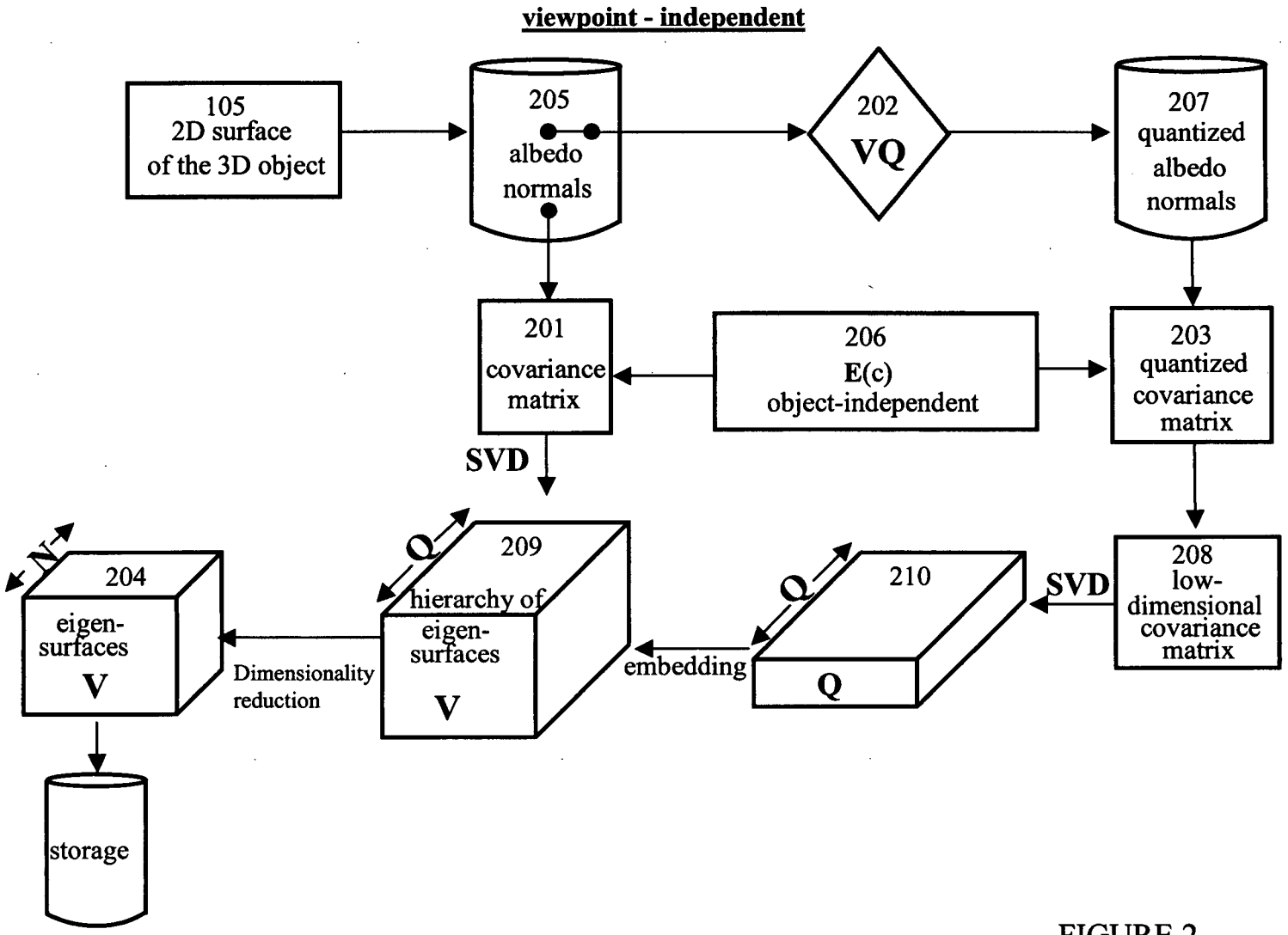
viewpoint - independent
105
2D surface
of the 3D object
205
albedo
normals
202
VQ
207
quantized
albedo
normals
201
covariance
matrix
206
E(c)
object-independent
203
quantized
covariance
matrix
SVD
N
Q
209
hierarchy of
eigen-
surfaces
V
Q
210
Q
SVD
208
low-
dimensional
covariance
matrix
204
eigen-
surfaces
V
Dimensionality
reduction
embedding
storage

FIGURE 2

FOREIGN PATENT DOCUMENT

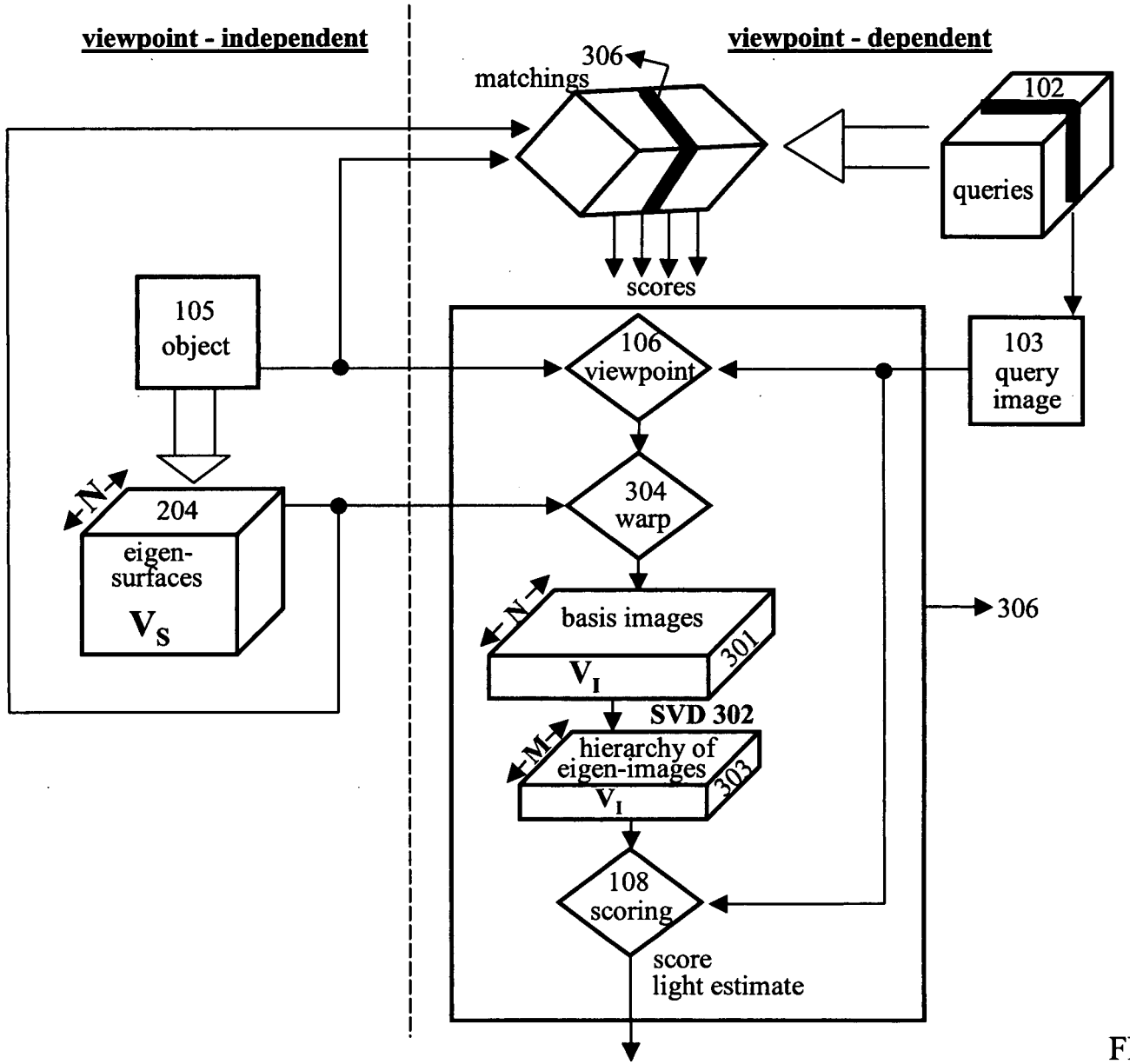

FIGURE 3